

PTO/SB/01 (03-01)  
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<b>DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION</b> <b>(37 CFR 1.63)</b>  <input type="checkbox"/> Declaration Submitted with Initial Filing OR <input checked="" type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)	Attorney Docket Number	283014-00030
	First Named Inventor	Youngfei Zhu
	<b>COMPLETE IF KNOWN</b>	
	Application Number	09/932,749
	Filing Date	8/17/01
	Group Art Unit	2817
	Examiner Name	

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 MAR 25 2002  
 U.S. PATENT & TRADEMARK OFFICE

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

ELECTRONICALLY TUNABLE COMBLINE FILTERS TUNED BY TUNABLE DIELECTRIC CAPACITORS

(Title of the Invention)

the specification of which

☐ is attached hereto

OR

☒ was filed on (MM/DD/YYYY)

08/17/2001

as United States Application Number or PCT International

Application Number 09/932,749 and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT International application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

(Page 1 of 2)

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## DECLARATION — Utility or Design Patent Application

Direct all correspondence to: <input type="checkbox"/>		Customer Number or Bar Code Label	<input type="checkbox"/>	OR <input checked="" type="checkbox"/>	Correspondence address below
Name Robert P. Lenart					
Address Pietragallo, Bosick & Gordon One Oxford Centre, 38th Floor, 301 Grant Street					
City Pittsburgh		State PA		ZIP 15219	
Country United States		Telephone (412) 263-4399		Fax (412) 261-0915	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.					
NAME OF SOLE OR FIRST INVENTOR:			<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle [if any]) Yongfei			Family Name or Surname Zhu		
Inventor's Signature <i>Yongfei Zhu</i>			Date 11/30/01		
Residence: City Columbia		State MD		Country US	
Citizenship China					
Mailing Address 5275 Rivendell Lane, Suite 6					
City Columbia		State MD		ZIP 21044	
Country US					
NAME OF SECOND INVENTOR:			<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle [if any]) Yu			Family Name or Surname Rong		
Inventor's Signature			Date		
Residence: City Germantown		State MD		Country US	
Citizenship China					
Mailing Address 17806 Bromfield Place					
City Germantown		State MD		ZIP 20874	
Country US					
<input checked="" type="checkbox"/> Additional inventors are being named on the 2 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.					

[Page 2 of 2]

PTO/SB/02A (10-00)

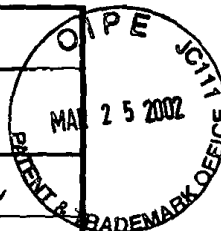
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<b>DECLARATION</b>	<b>ADDITIONAL INVENTOR(S)</b> <b>Supplemental Sheet</b> Page <u>1</u> of <u>2</u>
--------------------	---

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name	Kenneth	Family Name or Surname	Hersey
Inventor's Signature	<i>Kenneth Hersey</i>		Date <i>12/5/01</i>
Residence: City	Clarksville	State	MD
		Country	US
Mailing Address	6509 Burgundy Lane		
Mailing Address			
City	Clarksville	State	MD
		ZIP	21029
		Country	US
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name	Khosro	Family Name or Surname	Shamsaifar
Inventor's Signature	<i>Khosro Shamsaifar</i>		Date <i>11/30/01</i>
Residence: City	Ellicott City	State	MD
		Country	US
Mailing Address	2825 Dana Ct.		
Mailing Address			
City	Ellicott City	State	MD
		ZIP	21042
		Country	US
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name	Ernest	Family Name or Surname	Ekelman
Inventor's Signature	<i>Ernest P. Ekelman</i>		Date <i>11-30-01</i>
Residence: City	Damascus	State	MD
		Country	US
Mailing Address	26801 Grace Court		
Mailing Address			
City	Damascus	State	MD
		ZIP	20872
		Country	US



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<b>DECLARATION</b>	<b>ADDITIONAL INVENTOR(S)</b> <b>Supplemental Sheet</b> Page <u>2</u> of <u>2</u>
--------------------	---

<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
<b>Given Name</b> Louise		<b>Family Name or Surname</b> Sengupta	
<b>Inventor's Signature</b> <i>Louise Sengupta</i>		<b>Date</b> December 5, 2001	
<b>Residence: City</b> Ellicott City	<b>State</b> MD	<b>Country</b> US	<b>Citizenship</b> US
<b>Mailing Address</b> 3210 Boones Lane			
<b>Mailing Address</b>			
<b>City</b> Ellicott City	<b>State</b> MD	<b>ZIP</b> 21042	<b>Country</b> US
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
<b>Given Name</b>		<b>Family Name or Surname</b>	
<b>Inventor's Signature</b>		<b>Date</b>	
<b>Residence: City</b>	<b>State</b>	<b>Country</b>	<b>Citizenship</b>
<b>Mailing Address</b>			
<b>Mailing Address</b>			
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<b>Residence: City</b>	<b>State</b>	<b>Country</b>	<b>Citizenship</b>
<b>Mailing Address</b>			
<b>Mailing Address</b>			
<b>City</b>	<b>State</b>	<b>ZIP</b>	<b>Country</b>

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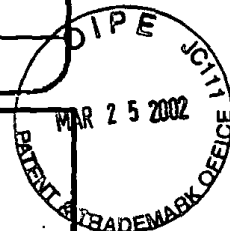
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	Filing Date	8/17/01
	Group Art Unit	2817
Examiner Name		

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Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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[Page 1 of 2]

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**DECLARATION — Utility or Design Patent Application**

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Name Robert P. Lenart			
Address Pietragallo, Bosick & Gordon One Oxford Centre, 38th Floor, 301 Grant Street			
City Pittsburgh	State PA	ZIP 15219	
Country United States	Telephone (412) 263-4399	Fax (412) 261-0915	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.			
NAME OF SOLE OR FIRST INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any)) Yongfei		Family Name or Surname Zhu	
Inventor's Signature		Date	
Residence: City Columbia	State MD	Country US	Citizenship China
Mailing Address 5275 Rivendell Lane, Suite 6			
City Columbia	State MD	ZIP 21044	Country US
NAME OF SECOND INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any)) Yu		Family Name or Surname Rong	
Inventor's Signature <i>Yu Rong</i>		Date 12/07/2001	
Residence: City Germantown	State MD	Country US	Citizenship China
Mailing Address 17806 Bromfield Place			
City Germantown	State MD	ZIP 20874	Country US
<input type="checkbox"/> Additional inventors are being named on the _____ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.			

(Page 2 of 2)

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PTO/SB/81 (02-01)

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**POWER OF ATTORNEY OR  
 AUTHORIZATION OF AGENT**

Application Number	09/932,749
Filing Date	8/17/01
First Named Inventor	Yongfei Zhu
Title	Electronically Tunable*
Group Art Unit	2817
Examiner Name	
Attorney Docket Number	283014-00030

\*Combine Filters Tuned by Tunable Dielectric Capacitors

I hereby appoint:

☒ Practitioners at Customer Number

29694

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☐ Practitioner(s) named below:

Name	Registration Number

 as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all  
 business in the United States Patent and Trademark Office connected therewith.

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OR

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OR

<input checked="" type="checkbox"/> Firm or Individual Name	Robert P. Lenart				
Address	Pietragallo, Bosick & Gordon				
Address	One Oxford Centre, 38th Floor, 301 Grant Street				
City	Pittsburgh	State	PA	Zip	15219
Country	USA				
Telephone	(412) 263-4399	Fax	(412) 261-0915		

I am the:

☒ Applicant/Inventor.

☐ Assignee of record of the entire interest. See 37 CFR 3.71.  
 Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

## SIGNATURE of Applicant or Assignee of Record

Name	Yongfei Zhu
Signature	
Date	11/30/01

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

10 Total of 6 forms are submitted.

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AUTHORIZATION OF AGENT**

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First Named Inventor	Yongfei Zhu
Title	Electronically Tunable*
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Please change the correspondence address for the above-identified application to:

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☐ Practitioners at Customer NumberPlace Customer  
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Individual Name

Robert P. Lenart

Address

Pietragallo, Bosick &amp; Gordon

Address

One Oxford Centre, 38th Floor, 301 Grant Street

City

Pittsburgh

State

PA

Zip

15219

Country

USA

Telephone

(412) 263-4399

Fax

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I am the:

☒ Applicant/Inventor.
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Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).
**SIGNATURE of Applicant or Assignee of Record**

Name

Yu Rong

Signature

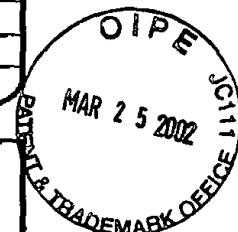
Date

12/07/2001

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Robert P. Lenart

Address Pietragallo, Bosick &amp; Gordon

Address One Oxford Centre, 38th Floor, 301 Grant Street

City Pittsburgh State PA Zip 15219

Country USA

Telephone (412) 263-4399 Fax (412) 261-0915

I am the:

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Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).**SIGNATURE of Applicant or Assignee of Record**

Name Kenneth Hersey

Signature *Kenneth Hersey*

Date 12-5-01

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

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Robert P. Lenart

Address Pietragallo, Bosick &amp; Gordon

Address One Oxford Centre, 38th Floor, 301 Grant Street

City Pittsburgh State PA Zip 15219

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Name Khosro Shamsaifar

Signature *Khosro Shamsaifar*

Date 11/30/01

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I am the:

☒ Applicant/Inventor.
☐ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).
**SIGNATURE of Applicant or Assignee of Record**

Name Ernest P. Ekelman

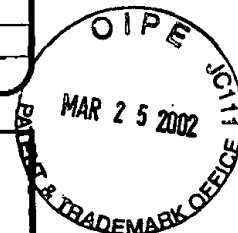
Signature *Ernest P. Ekelman*

Date 11-30-01

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Application Number	09/932,749
Filing Date	8/17/01
First Named Inventor	Yongfei Zhu
Title	Electronically Tunable*
Group Art Unit	2817
Examiner Name	
Attorney Docket Number	283014-00030

\*Combine Filters Tuned by Tunable Dielectric Capacitors

I hereby appoint:

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Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).
**SIGNATURE of Applicant or Assignee of Record**

Name

Louise C. Sengupta

Signature

*Louise C. Sengupta*

Date

12/05/01

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